PLEXPOWER™ FACTORY SEALED POWER PANELBOARD

FEATURES

- The PlexPower features a ground-breaking design that uses individual breaker housings to minimize the downtime and costs associated with servicing circuit breakers in hazardous locations.
- PlexPower breakers accommodate off-the-shelf breakers, making replacements readily available.
- Gland plate at the bottom of enclosure can be easily field punched for cable or conduit entries. Additional gland plates available for sides and top must be ordered with the panelboard. *See options.*
- Flexibility through horizontal and vertical coupling options.
- Standard models offer 3 circuit to 42 circuit panelboard configurations.
- Models are available standard with or without main breaker, depending on the configuration.
- Standard configuration includes internal actuators and a solid door; factory installed options include window door or external actuators.
- Supplied with dead front for internal actuation.
- Models available:
  — RF power panelboard: 277/480 Volt, 480 Volt, 347/600 Volt, 600 Volt with F-Frame Breakers.
- Branch circuit breakers available in 1-, 2- and 3-pole. Current ratings on branch breakers:
  — 1-pole: 277, 347 Volts, 60 Amps maximum.
  — 2- and 3-pole: 480, 600 Volts, 150 Amps maximum.
- Main circuit breakers up to 150 Amps, 2- or 3-pole.
- Breakers can be individually padlocked in either the "On" or "Off" position.

- Ground and or neutral bars provided as standard.
- External/internal ground lug provided as standard.
- 277/480, 480, 347/600, 600 Volt breaker module terminal wire range #14-4/0.
- Standard model utilizes Cutler-Hammer ✢ F-Frame Series circuit breakers rated -20 °C to +40 °C (-4 °F to +104 °F).

STANDARD MATERIALS

- Enclosure: stainless steel
- Hardware: stainless steel
- Bus bar: hard drawn, tin plated, copper

OPTIONS

- Must be listed in alphanumeric sequence at the end of the catalog number.
- For Class I, Division 2 Groups B, C, D only, add suffix —**D2**.
- Drain/breather, add suffix —**DV**. ③
- External actuation, add suffix — **EXT**.
- Grounded neutral, add suffix —**GN**.
- Gland plate, specify suffix **GPL** = left side, **GPR** = right side, **GPT** = top side, **NGP** = no gland plate).
- Thermostatically controlled anti-condensation heater, add suffix — **HTR**.
- Heater for panels certified to -40°C (-40°F) ambient temperature, add suffix —**HTR40**. ④
- LED indicator lights, add suffix —**IL**.
- Inverted feed, add suffix —**INV**.
- Lamacoid nameplate white with black letters 2" x 4" (specify legend), add suffix —**NP**.
- Door padlocking provision, add suffix —**P**.
- Stainless steel legend plate (specify legend), add suffix —**SP**.
- Terminal blocks instead of direct wiring, add suffix —**TB**. ⑤
- Window with internal actuation only, add suffix —**W**.

NEC/CEC CERTIFICATIONS AND COMPLIANCES

- UL Standards: ANSI/UL 67, ANSI/ISA 12.12.01, ANSI/UL 1203, ANSI/UL 60079-0, ANSI/UL60079-1, ANSI/UL60079-7
- CSA Standards: C22.2 No. 29, C22.2 No. 0, C22.2 No. 213, CAN E60079-0, CAN E60079-7, CAN E60079-1
- cCSAus Certified: 039199
- Class I, Zone 1, AEx de IIB+H_2 T* ①
- Ex de IIB+H_2 T* ①
- Class I, Division 2, Groups B, C, D T* ①
- Class II, Division 1, Groups F, G ②
- Class III ②
- IP66, Type 4X ③

① *T3 with heater. T5 without heater.*
② *Certification only applies without drain/breather.*
③ *IP66, Type 4X Certification only applies with drain/breather.*
④ *For panels certified to -40 °C (-40 °F), enclosure size may need to increase. Refer to RQ and RF Panel Size Tables in the catalog for -40 °C (-40 °F) certified panel options.*
⑤ *Contact your local representative for terminal block option. Maximum amperage for branch terminal blocks is 45 amps.*
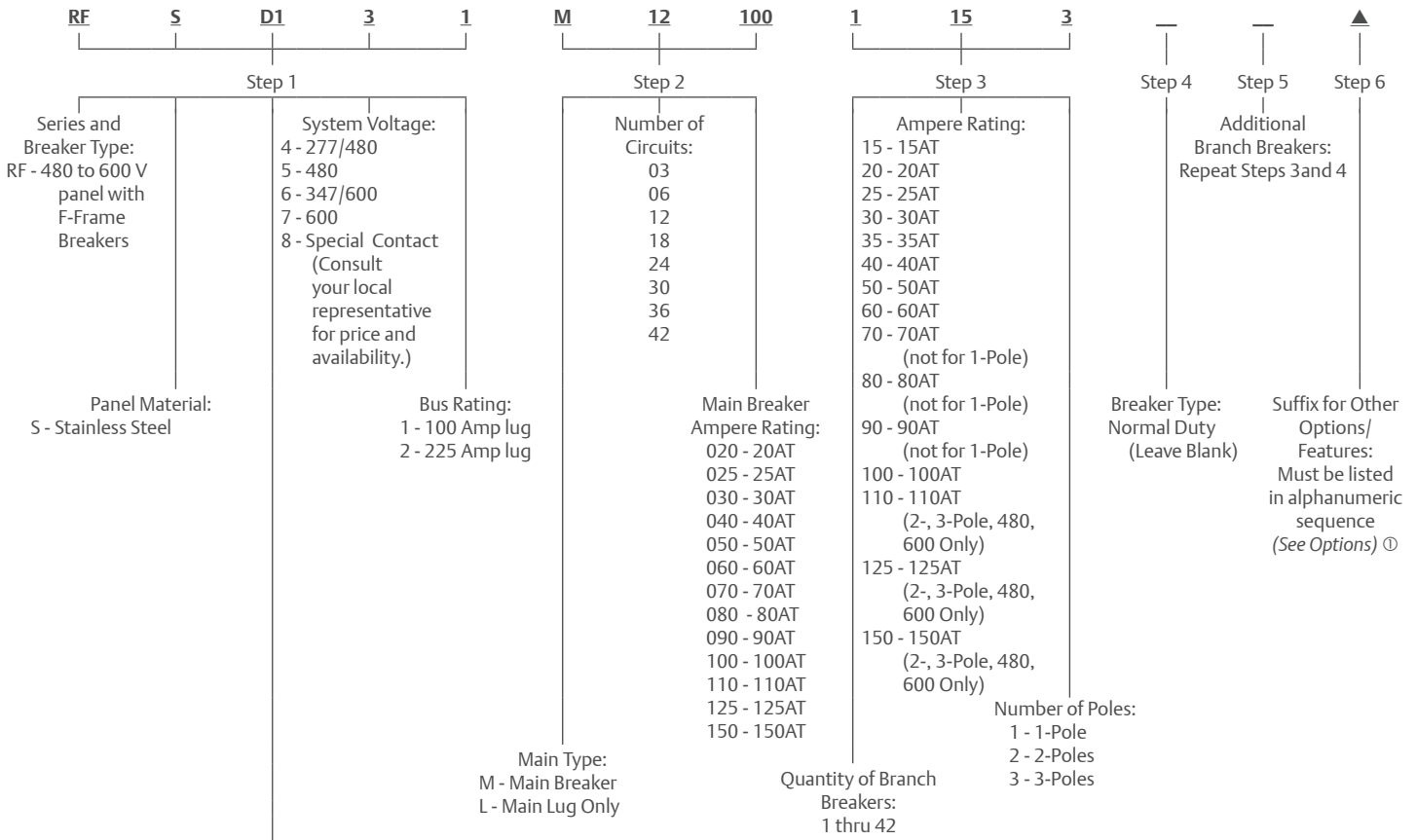✢ *Cutler-Hammer is a registered trademark of Eaton Corporation.*

RF   S   D1   3   1   M   12   100   1   15   3   _   _   ▲

| Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | Step 6 |

Series and Breaker Type:
RF - 480 to 600 V panel with F-Frame Breakers

System Voltage:
- 4 - 277/480
- 5 - 480
- 6 - 347/600
- 7 - 600
- 8 - Special Contact (Consult your local representative for price and availability.)

Panel Material:
S - Stainless Steel

Bus Rating:
- 1 - 100 Amp lug
- 2 - 225 Amp lug

Number of Circuits:
- 03
- 06
- 12
- 18
- 24
- 30
- 36
- 42

Main Breaker Ampere Rating:
- 020 - 20AT
- 025 - 25AT
- 030 - 30AT
- 040 - 40AT
- 050 - 50AT
- 060 - 60AT
- 070 - 70AT
- 080 - 80AT
- 090 - 90AT
- 100 - 100AT
- 110 - 110AT
- 125 - 125AT
- 150 - 150AT

Main Type:
- M - Main Breaker
- L - Main Lug Only

Ampere Rating:
- 15 - 15AT
- 20 - 20AT
- 25 - 25AT
- 30 - 30AT
- 35 - 35AT
- 40 - 40AT
- 50 - 50AT
- 60 - 60AT
- 70 - 70AT (not for 1-Pole)
- 80 - 80AT (not for 1-Pole)
- 90 - 90AT (not for 1-Pole)
- 100 - 100AT
- 110 - 110AT (2-, 3-Pole, 480, 600 Only)
- 125 - 125AT (2-, 3-Pole, 480, 600 Only)
- 150 - 150AT (2-, 3-Pole, 480, 600 Only)

Quantity of Branch Breakers:
1 thru 42

Number of Poles:
- 1 - 1-Pole
- 2 - 2-Poles
- 3 - 3-Poles

Additional Branch Breakers:
Repeat Steps 3 and 4

Breaker Type:
Normal Duty (Leave Blank)

Suffix for Other Options/Features:
Must be listed in alphanumeric sequence *(See Options)* ①

① Panel Size: Select A1, C1, I1, E1, K1 or G1 stainless steel enclosure based on number of circuits

	A1 370x370x250	C1 560x560x250	I1 875x750x250	E1 1130x750x250	K1 1260x750x250	G1 1500x750x250
Main Lugs Only	3	6	12 , 18	24	30	36, 42
With Main Breaker	—	—	6, 12	18	24	30, 36

For -40°C RF Panel Sizes: Select C1, I1, E1, K1 or G1 stainless steel enclosure based on number of circuits

	C1 560x560x250	I1 875x750x250	E1 1130x750x250	K1 1260x750x250	G1 1500x750x250
Main Lugs					
Standard Top In - Bottom Out	3	6, 12	18	24	30
Inverted Bottom In - Bottom Out	3	6, 12	18	24	30
Main Breaker					
Standard Top In - Bottom Out	—	6	12	18	24
Inverted Bottom In - Bottom Out	—	6	12	—	18, 30

① If using suffix **-HTR40** please use table 2.